

Claim(s)

1. A display unit for vehicles for displaying a virtual image reflecting a display light emitted from a display instrument, characterized by comprising: a reflection member that is held in a rotatable state and reflects the display light; driving means that rotatably operates the reflection means; storage means that can store the positional data depending on the rotation position of the reflecting means for each user; and control means that inputs the identification information from user identifying means for identifying a user and reads the positional data corresponding to the identification information from the storage means, and operates the driving means on the basis of this read positional data.

2. The display unit for vehicles according to Claim 1, characterized in that the control means performs the first processing operation for operating the driving means so as to return the reflection member to the original position on the basis of the vehicle information that an ignition switch is turned off and performs the second processing operation for rotating the reflection member to a position set by the identified user after the completion of the first processing operation.

3. The display unit for vehicles according to Claim 2, characterized by comprising position detecting means

for determining the original position.

4. The display unit for vehicles according to Claim 1, characterized in that inputting the identification information from the user identifying means, the control means operates the driving means so as to rotate the reflecting member from the present position to a new position upon input of the identification information in the case that the identification information inputted in this time is different from the previously inputted identification information, and respective positional data corresponding to the respective identification information are different.

Fig. 3

3: DISPLAY INSTRUMENT

8: MOTOR

11: DETECTING MEANS

21: CONTROL MEANS

22: STORAGE MEANS

23: DRIVING CIRCUIT

24: DRIVING CIRCUIT

25: OPERATION MEANS

30: MULTIPLE COMMUNICATION LINE

32: AIR CONDITIONER

33: AUDIO

34: KEYLESS ENTRY DEVICE

34A: TRANSMITTER

34B: RECEIVER

FIG. 4

S1: SYSTEM IS TURNED ON?

S2: USER IS CHANGED?

S3: MOVE TO SET POSITION

S4: MOVING IS COMPLETED?

S5: IGN IS TURNED ON?

S6: NORMAL DISPLAY OPERATION IS STARTED

S7: IGN IS TURNED OFF?

S8: NORMAL DISPLAY OPERATION IS TERMINATED

S9: SYSTEM IS TURNED OFF?

S10: STORE POSITIONAL DATA AND CARRIES OUT CORRECTION
PROCESSING

S11: MOVE TO SET VALUE

S12: MOVING IS TERMINATED?

S13: IGN IS TURNED ON?

S14: SYSTEM IS TURNED OFF?

FIG. 5

USER A

USER B

MOVABLE RANGE

ORIGINAL POSITION